

### **REMARKS**

Claims 1-41 are canceled. Claims 42-57 are new and pending in this application.

New claims 42-47 are generally directed to a method of monitoring, by an application, peer-to-peer clouds in a managed framework. Support for these new claims may be found, for example, in Figure 14 and the specification at [0064]-[0077].

New claims 48-53 are generally directed to a method of registering, by an application, a peer endpoint with a peer-to-peer system. Support for these new claims may be found, for example, in Figure 14 and the specification at [0078]-[0090].

New claims 54-57 are generally directed to method of resolving, by an application, a peer name to a peer endpoint in a peer-to-peer system . Support for these new claims may be found, for example, in Figure 14 and the specification at [0091]-[0105].

#### **Rejections of February 29, 2008 Office Action:**

Claims 1-41 were rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 1-31 were rejected under 35 U.S.C. 112, first paragraph, for the reasons set forth in the objection to the specification.

Claims 1-41 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-31 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1, 4, 10, 14 and 11 recite the limitation “the creation” and “the registration”. There is insufficient antecedent basis for this limitation in the claim.

Claims 1-41 were rejected under 35 U.S.C. 102(e) as being anticipated by *Pabla et al.*, US Publication No. 2004/0064693 (“Pabla”).

The above rejections are moot as claims 1-41 are canceled.

New Claims:

Applicants would like to bring to the Examiner’s attention Application No. 10/351,727 entitled Peer-to-Peer Networking Framework Application Programming Interfaces, filed on January 27, 2003, incorporated by reference in its entirety (specification, [0056]) and cited on Substitute Form PTO-1449 dated May 25, 2005, hereinafter referred to as “Framework”.

Application No. 10/351,727 was mailed a Notice of Allowance on June 6, 2008.

Application No. 10/351,727 and the present application share a common assignee of Microsoft Corporation and two common inventors, Todd R. Manion and Robert D. Donner. Application No. 10/351, 727 was filed on January 27, 2003 and recorded on March 31, 2003 with a reel/frame number of 013904/0600.

Applicants respectfully submit that new claims 42-57 are not anticipated by Pabla. Generally, the claimed methods provide an application developer an interface architecture for incorporating peer to peer functions into a new application. The interface allows the application developer to incorporate the peer to peer functions provided, for example, by an underlying operating system, without the need to understand the underlying implementation. The claimed architecture, or set of interfaces, exposes an optimized set of peer to peer functions that the application developer would otherwise have to recreate from scratch or otherwise have to put together piecemeal from various systems that may or may not be compatible with the existing software architecture (e.g., the operating system, network protocols, database platform, etc.) that the developer is using. These sets of interfaces provide a unique grouping of functions that help structure a programmer’s software development effort (i.e., conforming the software development to a standard peer-to-peer approach), while making it expedient to incorporate peering functions. While existing peer to peer technologies may provide implementations of some of the functions exposed by the

interfaces, the interfaces provide a unique, optimized grouping that conceptually enables programming to be more efficient.

Each of claims 42-47 recites at least a single cloud interface object that exposes to a calling application at least three methods, where the at least three methods include a GetGlobalCloud method, a GetClouds method and a CloudWatcher method. Pabla does not appear to teach, disclose or suggest a single cloud interface object that exposes to a calling application at least three methods, where the at least three methods include a GetGlobalCloud method, a GetClouds method and a CloudWatcher method.

Each of claims 42-47 further recites the single cloud interface object providing a CloudChanged event corresponding to a cloud state change. The event includes an identification of the cloud and the type of change that occurred to the cloud state, and is raised when the cloud state change occurs. Pabla does not appear to teach, disclose or suggest cloud state changes, let alone providing an event corresponding to a cloud state change that is raised when the cloud state change occurs.

Each of claims 48-53 recites at least a single interface registration object that exposes to a calling application two methods, where the two methods include a Register method and an Unregister method. Pabla does not appear to teach, disclose or suggest a single interface registration object that exposes to a calling application two methods, where the at least two methods include a Register method and an Unregister method.

Each of claims 48-53 further recites the single interface registration object providing a set of at least four constructors, each of which allows different parameters during construction of the single interface object. Pabla does not appear to teach, suggest or disclose a single registration object providing a set of at least four constructors, with each member of the set having a different number of parameters.

Each of claims 54-57 recites at least a single resolver interface object that exposes to a calling application at least three methods, where the at least three methods include a BeginResolution method and an EndResolution method for asynchronous resolution, and a ResolveSynch method for synchronous resolution. Pabla does not appear to teach, disclose or suggest a single resolver interface that exposes to a calling application at least three

methods, where the at least three methods include a BeginResolution method, an EndResolution method and a ResolveSynch method.

Each of claims 54-57 further recites the single resolver interface object providing a set of at least three constructors, each of which allows different parameters during construction of the single resolver interface object. Pabla does not appear to teach, suggest or disclose a single resolver interface object providing a set of at least three constructors, with each member of the set having a different number of parameters.

Pabla is generally directed to a distributed index mechanism for indexing and searching for identity information in peer-to-peer networks (Pabla, abstract). Pabla does not appear to address the issue of programming efficiencies for a peer-to-peer application developer, and specifically, does not appear to provide unique, optimized groupings of functions for this purpose. Pabla fails to disclose, suggest or teach a single cloud interface object that provides that provides at least three functions for monitoring peer-to-peer clouds and an event to be raised when a cloud state change occurs, as recited by claims 42-47. Pabla fails to disclose, suggest or teach a single registration interface object that provides at least two functions for registering peer endpoints and at least four constructors, as recited by claims 48-53. Pabla also fails to teach, suggest or disclose a single resolver interface object that provides at least three functions for asynchronous and synchronous endpoint resolution and at least three constructors, as recited by claims 54-57.

For at least the above reasons, Applicants respectfully submit that new claims 42-57 are not anticipated by Pabla under 35 USC 102(e).

### **CONCLUSION**

In view of the above amendment and arguments, Applicants submit the pending application is in condition for allowance and an early action so indicating is respectfully requested.

The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 13-2855, under Order No. 30835/306342, from which the undersigned is authorized to draw.

In view of the above amendment, Applicants believe the pending application is in condition for allowance.

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Respectfully submitted,

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